

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: "KA5T Larry Wise" <lewise@inetport.com>
Subject: [6782] 38 Special Schematic/parts list
Message-ID: <199612200202.UAA18149@admin.inetport.com>

Not sure who to address this to but there are a couple of questions on the parts list and schematic:

1. There are two r14s in the parts list. The first one does not agree with the schematic.
2. There is no r15 shown on the schematic. Is there a resister missing on the input to U5A??
3. There is no r15 in the parts list.
- 4 One cap is unmarked on the diagram (C20??) the input to U4a.

Larry

KA5T - Larry Wise - Georgetown, Texas - lewise@inetport.com QRP-L 89
ex: KN8OSG K8OSG(1959-1967 MI) W6HED(1967-1968 Ca) W4ZTB(1968-1978 Fl)

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Byron8LCZ@aol.com
Subject: [6781] 80m Friday Nite
Message-ID: <961219195912_2019022578@emout02.mail.aol.com>

Hi Gang,

I'll be on 80m Friday night, Dec 20th, looking for 2x QRP QSO's from 0000z to 0500z running 5 watts to a Gap vertical for omni-directional coverage. QTH is nr Detroit Mich. Have worked 28 states QRP so far with 10 of them 2-way QRP. If you need Mich QRP, be there !

Freqs will be 3.530 to 3.540 from 0000z to 0059z, from 0200z to 0259z and from 0400z to 0500z.

And will be on 3.690 to 3.700 from 0100z to 0159z and from 0300z to 0359z.

72, Byron WA8LCZ Detroit

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Steve Galchutt <N0TU@webaccess.net>

Subject: [6797] 80m or 40m for long winter evening in snow cave?
Message-ID: <32BA8F39.7877@webaccess.net>

I'm looking for opinions on which band would offer best possibility for QSOs during winter evenings. I'm spending a week winter backpacking snowshoes/XC skiing and thought it would be fun to launch a signal from the snowcave. It gets dark early...and the evenings are long and cool in the cave but with the QRP rig at hand, a resonant dipole slung high the pine, on 12,000 ft snow packed mtn top AND a WARM down sleeping bag there's not much else a guy can ask for!? (Maybe the XYL but she's not into cold WX camping!) So....back to the question which is it 40m or 80m or neither...just bring plenty of antifreeze and deal w/hangovers?

If it's 80m...anyone know where to find info on putting the 40-9er on 80??

Anyone interested in Snowcave Sked?

. . N0TU

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Bob Edwards <rbe@atlanta.com>
Subject: [6834] ANT & RE:Txn to The Keeper of the List
Message-ID: <32BB4FEA.778C@atlanta.com>

Glen Leinweber, VE3DNL wrote:

>
> There's lotsa folks whose work in the background make it
> possible to carry on this fine QRP-L emporium.

Glen, I agree & thanks to all of them.

> ObQRP:
> Twinlead feedline has separated from the double-
> Zepp antennawire..... How-do-ya keep them durn things connected?
>

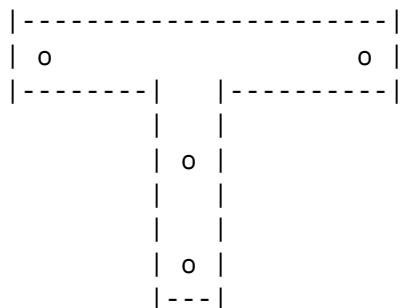
Just some general advice on twin lead connection at the feed point. I try to put all the stress of supporting the twin lead into the center insulation of the twin lead. The twin lead is prepared by cutting a two or three inch slit down the middle to form a big Y. Then strip 3/4 inch off the ends for soldering. The Y must be big enough to form rounded curves.

I've done this a couple ways. Put two small holes through the

center of the twin lead well below the end of the Y cut. Then use tie-wraps that are strong enough yet small enough for the two holes. The tie-wraps go into two matching holes on a custom tee shaped center insulator. Secret here is to snug up the tie-wraps so the twin lead and tee insulator swing as one. Taping the twinlead to the vertical tee section prior to the tie-wraps would help & the tie-wraps could hold the tape in place.

Another approach would be to form an inverted U over the tee insulator with uncut twinlead so that the inner part of the U is riding on top of the tee. This should be stronger than the first method, but I've not tried the U method. I would still prepare the twinlead with a big Y.

<---- 2 or 3 inches ---->



Another thought would be to twist the twin lead in the hope of reducing large swings in strong wind due to airfoil action.

GL & let me know if you try the tee. Bob 73/72

Merry Christmas

W4ED x_AE4CA nr Atlanta @EM73wt
"QRP", more from less....
 :EMPS QS0s=49 STATES=23/4 DX=??



From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
 From: "Steve, N2MNN" <n2mnn@openix.com>
 Subject: [6806] Cascade Final transistor
 Message-ID: <199612201458.JAA26358@pantera.openix.com>

I'm getting only about 3.5 W out on 20M with my Cascade, and thinking of substituting a replacement final transistor. I wanted to look at equivalent, and beefier replacement transistor data and realized NTE does not list the 2SC2312 (stock), or MRF477 (suggested \$18 replacement).

1) If anyone has a source of a good transistor substitution list, please tell me. I find it educational to look over the specs of different transistors with the idea trying to figure out how they would perform if substituted in one of my radios.

2) I got all excited when someone on the list awhile ago described a substitution for the final in the Cascade. It involved replacing it with another 2SC transistor, and rewinding the balun per Motorola specs. I can't find that e-mail, so can the author please send me the details again. Also if you could elaborate on the winding of the balun I would appreciate it, as I did not quite follow the brief explanation in your e-mail.

Steve, N2MNN
n2mnn@openix.com

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Martin Squicciarini <skitch@resuba.com>
Subject: [6803] Cascade Mods
Message-ID: <Pine.LNX.3.91.961220094827.18173E-100000@resuba.com>

Hi all,

Just got a Cascade and I was wondering what mods are out there for it. I also noticed the power on 20 is about 1 watt. A search of the digests indicates that the power should be about 5-10 watts. Does that sound about right. I looked at the ftp site at Lehigh and could not find mods (I may not have looked in the correct directory). TIA

Happy Holidays

72/73
Martin Squicciarini NR3Z
skitch@resuba.com (home)
msquicci@vf.lmms.lmco.com (work)

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Joe Gervais <vole@primenet.com>
Subject: [6820] Email being devoured... :-/

Message-ID: <199612201810.LAA23657@primenet.com>

Howdy Folks,

Just confirmed a sinking suspicion I've had for the last few months - my email program is occasionally chewing up incoming mail. Finally caught it red-handed today. :-/

If you've sent me something and haven't heard a reply, please try again. Or at the very least, don't take it personally. :-)

I'm immediately switching to a new email package, so the problem should be solved. I hope....

Just another victim of the Information Age.

Happy Holidays de KC7NEV,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"So... if she... weighs the same as a duck... she's made of wood!"

"And therefore?"

"... A witch!"

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996

From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>

Subject: [6810] For sale: misc QRP and other stuff

Message-ID: <Pine.3.89.9612200937.A27857-0100000@w3eax.umd.edu>

1) 20m Oak Hills Explorer II - CW, variable bandwidth IF filtering, 2 watts output, excellent condition, covers 14.0 - 14.070 MHz. Great receiver. Was \$100 as a kit, replaced by \$159 kit, the OHR 100.

Completely built, aligned, and occasionally used. \$110 with manuals.

2) MFJ 9020 - 20m QRP CW, with Curtis keyer. Full 5 watts output, excellent shape. \$170 new, keyer is \$40 = \$210. Asking \$130.

3) Astron RS-20A 20 amp power supply (16A continuous). Non-metered, very reliable. Good shape, \$95 new, asking \$60.

4) Kenwood TS-520 complete setup - runs on 120/240 or 12 volts. 10/15/20/40/80 meters, in excellent shape with 500 Hz CW filter, noise

blanker, RF gain, attenuator, 6146B tube finals (rugged, hard to hurt).
Complete with

VF0-520 (external VF0)
SP-520 (speaker)
MC-50 (desk mic)

all with boxes, cables, and manuals. \$425 for everything. A "classic."

5) Ten-Tec 937 power supply - matches the Scout. 11 amps, low profile,
NOT a switching supply. \$80 new, not a scratch, asking \$65.

6) Vectronics HFT-1500 roller inductor tuner. NOT made by MFJ (they
were bought out by MFJ AFTER this one was made). Rugged, handles lots of
power, feeds twin lead thru balun. Two big air variable capacitors,
cross-needle meter, digital power bargraph, handles two coax antennas
plus one bypass coax. \$380 new, asking \$260. With manual.

7) Yaesu FC-901 antenna tuner. 160-10m, tapped inductor. Good shape,
dual meters, matches the FT-901 radios, handles 500 watts PEP. Will
feed a total of four antennas (no balun). \$100.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996

From: "J. Skalski" <jskalski@acsu.buffalo.edu>

Subject: [6824] FS ARGO 556

Message-ID: <Pine.GS0.3.93.961220145208.15421A-100000@destrier.acsu.buffalo.edu>

I have a like new ten tec argo 556.
\$350 plus shipping.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: SSLYON <SSLYON@worldnet.att.net>
Subject: [6799] HEARD: FOX=0 HOUNDS=0; IS IT ME?
Message-ID: <19961220141110.AAB17119@LOCALNAME>

Last nite was one of those nites I'd rather forget in my QRP career.
Spent nearly 2 solid hrs listening at ever increasing volume levels
but heard nada of pursued @ pursuers. Got really beat up by BC qrm
and static crashes. Had to CQ to restore confidence; got CA, PA and
heard SV2 & OM3s. Would appreciate propagation / technique comments.
Best Holiday Wishes to all =s=
"Seab" Lyon, AA1MY
Bethel, CT; FN-31-HJ;
ARCI#9253; QRP-L#574;
ARRL; QCWA; B.C.I.

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [6798] Kit Idea....
Message-ID: <Pine.SUN.3.90.961220060214.7878A-1000000@vortex.sage.dri.edu>

All Kit designers.....

While stuffing the BuzNot board and listing for the
fox last night, I had an idea.....

Before mounting the IC's and transistors, why not work
up some ohm meter check points to find the solder bridges
before applying power?

Just a thought.....

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Hank Kohl <k8dd@tir.com>
Subject: [6787] Michigan QRP Club Contest
Message-ID: <2.2.32.19960120040146.00739e04@tir.com>

The rules for the January MI QRP Club Contest are on the MI QRP Club page:

<http://www.geocities.com/capecanaveral/2844/miqrp.html>

If anyone has any compliments for The 5 Watter magazine, post them here!

If anyone has any complaints for the MI QRP Club, send them to me!

Lost issues of T5W - send them to n8cqa@tir.com

"All you wanted to know about MI QRP Club but were afraid to ask?" - see the web page listed above.

Have a burning desire to join the MI QRP Club? - see the web page listed above.

Have any suggestions for the MI QRP Club web page? Send them to k8dd@juno.com

73 Hank K8DD
vice president
MI QRP Club

*/ Hank Kohl K8DD k8dd@contesting.com <---- new
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Barry Keating <Barry.P.Keating.1@nd.edu>
Subject: [6805] N/T FOX Report for Thursday (Short)
Message-ID: <v03007803aee05687cdc0@[129.74.87.62]>

*** N/T Fox Report for Thursday, Dec. 19th ***

TIME STN NAME ST RST NR

0331	N0PMY	Jay	MO	339	739
0425	NG0M	Chuck	MO	439	386
0444	W3DW	Daniel	MO	339	?

(I don't think Daniel was a QRP-L member)
0449 AA1MY

Heard Seab (AA1MY) very clearly and thought he was calling me. Turns out he was beginning a QSO with a station in CT. I tried to slide in after their QSO but I guess Seab really couldn't hear me.

Thank you all; especially those who listened without success this time around. I'll be foxing again after the first of the year; Merry Christmas and/or Happy Holidays to all!

Barry Keating
WD4MSM
South Bend, Indiana (90 miles east of Chicago)
MFJ 9040 running 5 watts
G5RV antenna (half-size, 52') up 30 feet

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: 20-Dec-1996 1449 <randolph@asic.ENET.dec.com>
Subject: [6825] N100Q RX #3: images and spurs for all bands
Message-ID: <9612201953.AA27351@us4rmc.pko.dec.com>

No. 3

In no. 1, we determined that the image and IF rejection on 20m would be good. ALL of the bands will have their own image and IF rejection numbers. In no. 2, we looked at spurious output from the 2nd mixer. ALL of our mixers will have similar spurs. To be thorough, we should check all of this.

IMAGES that will mix to 32.000 MHz

band	bottom edge	LO	LO image	RF image
160	1800	30200	62200	33800
80	3500	28500	60500	35500
40	7000	25000	57000	39000
30	10000	22000	54000	42000
20	14000	18000	50000	46000

17 18000 14000 46000 50000

A filter that cuts off everything above about 19 MHz would be more than adequate to kill all of these images and the 1st IF of 32.0 MHz. We should be able to get excellent image rejection and IF rejection on all six bands.

1ST MIXER PRODUCTS at or near 32.000 MHz

band	LO x	RF x	@ RF of	~ dB down	

160	-	-			
80	0	9	3555	>85	
	2	7	3555	>85	
40	1	8	7125	>85	
	3	6	7125	>85	
30	-	-			
20	8	8	14000	>85	
17	8	8	18000	>85	

15	1	2	21500	45	
	3	0	-	10	(birdie at 33.0 MHz)
12	9	4	24200	60	
10	6	2	28000	55	
	8	0	-	35	(birdie at 32.0 MHz)

I cheated a bit and used a PC program to find these spurs, but a table, such as in article no. 2, for each band would work. Our six bands have only a few very weak spurs. This is good, as the 1st IF is wideband and untuned. That means these spurs will be audible across the entire band if RF hits the antenna at the freq listed. There's nothing stopping energy anywhere in the particular band from getting into the 1st mixer, and the LO will always be at the same freq, ready to mix it to 32.0 MHz. If there's a megawatt shortwave broadcaster on 7125 at night, I could be in trouble on 40m!

I included the three high bands to show one reason why I decided to drop them. Some big harmonics of the LO for 15m and 10m would be very close to the 1st IF. These birdies would suck up a lot of the available power in the IF amp. This would leave little available power to amplify the signal we actually want to listen to, making our receiver deaf! In the 10m case, the birdie is right on the IF freq. We'd be able to hear it, good and loud!

These N100Q RX postings are intended to be a learning exercise for the

QRP-L folks, so if you have questions or comments, post them! How's the level of detail? Too much or too little?

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=====
Tom Randolph  N100Q  NE-QRP 419  QRP-L 87  ARRL      randolph@asic.enet.dec.com
=====
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From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: N4JS <jsielke@pobox.com>
Subject: [6821] NE QRP Club
Message-ID: <Pine.LNX.3.95.961220133839.7298A-1000000@jsielke.ppp.cyberenet.net>

OK, ANOTHER stupid question! (Geez, I been a ham for almost 40 years, and I'm feeling REALLY dumb!). I joined QRP-L, NJ-QRP, I just sent my hard-earned bucks to QRP ARCI, since I want to read up on this low power stuff. (Hey, I have Amps that broil chickens at 100 yards! I guess that's why I got "jaded"). Anyway, I see references to NE QRP Club. Is that NE as in North East? Web Page? I didn't see a link from the QRP-L page to one. What other publications would you guys recommend. (Large print would be nice....;-), pictures for coloring optional.)

```
      / \  / \  / \  / \
     ( N )( 4 )( J )( S )
      \_/  \_/  \_/  \_/
John L. Sielke  n4js@amsat.org
n4js@hotmail.com  n4js@n4js.ampr.org
http://www.pobox.com/~njbirdman  QRP-L #884
```

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: "Len W. Tough" <len@infinet.com>
Subject: [6828] NEW: CQrp Web Page - Columbus QRP Club
Message-ID: <199612202032.PAA02477@mail11.infinet.com>

Hi Gang:

Just an FYI that the Columbus QRP club now has our web page up and running on the www.

Address:
<http://www.infinet.com/~len>

The site is *brand new* and is still in beta - lots of in progress stuff.
Stop by if you want - we will be proofing and polishing for some time.

We are currently in progress building the *hot links* page - If there are
any new sites that would be great to link to - please let us know

web-op is len@infinet.com

Best 72/3

Len

KG8SF

len@infinet.com

kg8sf@key.com

QRP-L # 841	CQrp # 2	ARCI # 9025	FISTS # 2134
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CHARTER MEMBER - THE COLUMBUS QRP CLUB - CQrp

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996

From: Paulette Quick <plquick@facstaff.wisc.edu>

Subject: [6809] Nils is Back!

Message-ID: <v03007800aee008eba1c5@[144.92.104.140]>

Sorry to send this to the entire list. Nils, I have sent you the message a
couple times, but it keeps bouncing. This and the other messages should
show the newbies how much we treasure Nils.

PQ

Hey Nils!

So good to see you on the list again! What's this? Those jerks on your
committee didn't like your thesis? Tell us who they are and all 10,000 of
us on the list will make voodoo dolls.

Let us all know what's going on with you!

72 es 88,

Paulette in Madison WI (WB9VHF)
plquick@facstaff.wisc.edu

(who just moved to a different residence that has aluminum siding, oh darn)

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Roy Boggs <rboggs@pcc-uky.campus.mci.net>
Subject: [6780] Nils who? :-)
Message-ID: <2.2.32.19961220005211.00683194@pcc-uky.campus.mci.net>

To anyone with a QRP-L number greater than about 400:

Fasten you're seatbelts and get ready for a mind-numbing experience (and go immediately and buy a thick dictionary and thesaurus)...cause

NILS is BAAAAAACK!!!!!! (and I am delighted!!)

Have thought about you a million times Nils, and look forward to your zany posts :-) :-) [Uh, Nils...do u still remember how to send CW?] :-)

de KC40 (ex KE4KDT)
Roy Boggs Prestonsburg, KY

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: GMPT <hapence@erols.com>
Subject: [6801] NW-QRP DUES Address
Message-ID: <2.2.16.19961220094115.20e76812@pop.erols.com>

Good Morn
Need current NW address to pay dues please; last letter w/ck came back.
72 y Paz Grover KQ4AL Occoquan, VA 38 41 29n 77 18 45W FM18iq

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: wager@juno.com (James W. Cates)
Subject: [6815] Postage Refunds from NorCal
Message-ID: <19961220.081300.3958.1.wager@juno.com>

Some orders for two kits have included three dollars postage/handling for

each kit. If you want a refund,
let me know; otherwise, I will consider it a donation
to the club.

New NorCal motto: " Busy hands are happy hands!"

In the last two weeks, I have received over 400 pieces of NorCal mail.
Am working my way through it. Also, receiving a gratifying amount of
E-Mail. One day I sent out 51 replies, and I know the average recently
has been 15 or so per day. Whee! Fun! Cuz why? Cuz "busy hands are
happy hands," that's why.

The number of orders for the 38 Special through Thursday's mail is 352.
Thank you all for your support of this club project!
And, I think the membership mark is right at the 2000 mark. All in all,
NorCal appears to be alive and well....

Merry Christmas from NorCal! jim, WA6GER.

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Ken Newman N2CQ <103464.1355@CompuServe.COM>
Subject: [6817] QRP Afield Awards
Message-ID: <961220163227_103464.1355_IHI69-1@CompuServe.COM>

To Chet-AA1EX, Jim-W1FMR, and Friends at NEQRP Club:
Thanks very much for the handsome certificate and
embroidered NE QRP patch for the QRP Afield Top Ten
Award. This adds a wonderful day we had as well as
enjoying the QSOs with all the famous calls.
We'll be there again for '97 if all goes well. If you
can schedule perfect weather again it would be perfect!

72,
N2CQ #458 NEQRP

Herb, K2HPV
Ken, N2CQ

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: NJBIRDMAN <jsielke@pobox.com>
Subject: [6785] QRP ARCI
Message-ID: <v03007800aedfb618f444@[206.106.174.44]>

Does anyone have the address for QRP ARCI? (I'm sure someone does ;-)
Also, do they have a web page?

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 | . ' | | _ | | | | \ _ |  
 | _ | \ | | | | \ _ / | _ _ /
```

John L. Sielke n4js@amsat.org
n4js@n4js.ampr.org QRP-L #884 NJ Grid:FM29
<http://www.pobox.com/~jsielke>

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: "William R. Colbert" <v31xe@dzn.com>
Subject: [6783] qrp response
Message-ID: <32BA1CC0.4EB8@dzn.com>

Kevin, I think under those circumstances you could have answered with "No, sked in min or No, sked with fox". If it is not exactly fox time, you could have also indicated that the freq was busy and ask him for a qsy up/down 2 or 3 for short qso, then explain the foxhunt.

--

72/73, Ray Colbert, W5XE, SOWP 1064M
(also af852@rgfn.epcc.edu)
El Paso, Texas

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Martin Squicciarini <skitch@resuba.com>
Subject: [6807] QRPer in and around EPA
Message-ID: <Pine.LNX.3.91.961220095918.18173F-100000@resuba.com>

Just wondering who the QRPer in Eastern PA are and would anyone be interested in meeting somewhere (a la NorCal's meeting)?

72/73
Martin Squicciarini NR3Z
skitch@resuba.com (home)
msquicci@vf.lmms.lmco.com (work)

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: "Brian L. Lewis" <76500.1621@compuserve.com>
Subject: [6795] Recording off the air
Message-ID: <961220123325_76500.1621_HHE38-1@CompuServe.COM>

FORWARDED MESSAGE - Orig: 19-Dec-96 23:33
Subject: Two Questions - Thanks
From: Bradley L Mugleston INTERNET:kb0rol@juno.com
To: Brian L. Lewis 76500,1621

Sender: owner-qrp-1@Lehigh.EDU
Received: from fidoii.CC.Lehigh.EDU (fidoii.CC.Lehigh.EDU [128.180.1.4]) by
dub-img-2.compuserve.com (8.6.10/5.950515)
id AAA23315; Fri, 20 Dec 1996 00:23:38 -0500
Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.lehigh.edu with SMTP id
<34909-45339>; Fri, 20 Dec 1996 00:23:11 -0500
Received: from nss2.CC.Lehigh.EDU ([128.180.1.26]) by fidoii.cc.lehigh.edu with
ESMTP id <34909-19485>; Fri, 20 Dec 1996 00:20:52 -0500
Received: from x6.boston.juno.com (x6.boston.juno.com [205.231.101.23])
by nss2.CC.Lehigh.EDU (8.8.4/8.8.4) with ESMTP
id AAA109020 for <qrp-1@lehigh.edu>; Fri, 20 Dec 1996 00:20:39 -0500
Received: (from kb0rol@juno.com) by x6.boston.juno.com (queuemail)
id ADS27579; Fri, 20 Dec 1996 00:19:47 EST
Message-Id: <19961219.224742.2487.1.kb0rol@juno.com>
From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Allen Jones <ajones@adsnet.com>
Subject: [6829] RF Parts phone #
Message-ID: <1.5.4.32.19961220204954.006d7300@adsnet.com>

Anyone have the phone # for RF Parts handy. Didn't bring my QST to work
with me. :-)

Thanks,
Allen - W9DZ

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Steve Bornstein <saborns@freenet.columbus.oh.us>
Subject: [6793] Sierra VFO Help
Message-ID: <Pine.3.07.9612200310.A19476-91000000@login>

G'day,

The vfo in the Sierra that I am aligning will not tune the necessary range. If I set C-52 to give me 2.935 at 150 on the dial when I tune to 0 I get a frequency of about 3.070 instead of the required 3.085 +/- 5 kc. Does anyone out there in radio land have a solution to this?

73, Steve K8IDN QRP-L #331

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: jim hale <kj5tf@mctc.com>
Subject: [6826] Small solar panels & batteries
Message-ID: <32BB0DA8.ABD@mctc.com>

Earlier I posted some info on small solar panels, and today I have a little more to add to that.

The first panel mentioned is from American Science & Surplus, "One sunny foot" #26325, 2 watts @ 19v is \$20. build your own frame, 847 982-0870 I ordered two of these, one came without solder tabs on the back so I had to ask for a refund... dont have it yet. The other sunny foot was fine and I built a frame for it & it works grest. They also sell rechargeable batteries fairly cheap. I recommend 7 2v lead acid cells, to keep voltage above 12v, but remember to watch for overvoltage when running an extra cell. Charging with a 19v solar panel you can reach 17v on a sunny day. Dont feed that to your QRP+ ! Likewise with nicads, going to 11 cells is great, but again watch out for super high voltage. I take a piece of wire and make afew sparks from such a hot battery which harmlessly lowers the voltage quick, test, and then plug in my rig.

The other panel is from Gateway Electronics 1 800 669-5810 700-750ma 12-14v \$36. + \$15 shipping, again you have to build your own frame. I dont have personal experience with this one but it comes highly recommended.

Now for a higher budget, I can recommend AE&E 1-800 777-6609. They sell several small panels, as well as larger ones. The "Clone" is a 10 watt Korean panel 10.6x17.6x.38" , .59 amps. \$95.

The Solarex MSX 5 is 5 watts and .28 amps, 10.6x9.82x0.9" \$120.

And the Solarex MSX 10 is 10 watts, .58 amps, 10.6x16.54x0.9" \$150.

Dont forget to try mrsolar@netins.net for your price on his small panels. I think he has 5 and 10w panels slightly cheaper than AE&E...

Or his snailmail address is Do It Homestead Inc POB 852 La Verkin, UT 84745

I get no kickback for my recommendations, just want other hams to enjoy solar power. If anyone finds better prices than these, please post them.

Good luck - happy holidays, 72/3'z de Jim AR QRP #2

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Jim Stafford-W4Q0 <w4qo@america.net>
Subject: [6832] Statement by NASA Administrator Dan Goldin on the Passing of Astronomer Carl Sagan (fwd)
Message-ID: <Pine.SOL.3.91.961220171650.15774B-100000@atl1>

Not QRP but certainly a science pioneer!

Jim Stafford, W4Q0 NoGaQRP Group + RadioActive Schools(sm) -

----- Forwarded message -----
From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: ed.welch@cheaha.com (ED WELCH)
Subject: [6788] Take off angle...
Message-ID: <8CE74C2.0004000FAB.uuout@cheaha.com>

-> A G5RV will outperform a Butternut vertical in two directions
-> on 80m and 40m if it is high enough. If the G5RV is 60ft high,
-> it will have about 7.5dBi gain on 40m with a take-off-angle of
-> about 32deg, according to EZNEC. A 1/4 WL vertical has about
-> 0dBi gain with a TOA of 26deg. Even at a TOA of 26deg, the G5RV has
-> about 7dB gain over a vertical in two directions (if the
-> dipole is 1/2 WL up in the air).

Speaking of take-off-angles, Cecil, I've got a loop with the bottom at abt 12' and a dipole at abt 32'. I guess that the dipole should have a lower take off angle than the loop, eh? And, thus be better for DX?

Just butting in here. :) Tnx.
Merry Christmas!!!!

72/73
Ed Welch KF4KRV
QRP-L #873
Luverne, Alabama
Crenshaw County - Grid EM61

+-----+

-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+

> Isn't "time" a 4-letter word? <

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Jim Bennett <jbennett@ebmud.com>
Subject: [6808] Thursday fox
Message-ID: <32BAABC0.618A@ebmud.com>

Hi Barry - I listened for the better part of an hour, but never heard you.
Did hear Chuck calling you just below 7.120 for quite a while prior to "the hunt", but I guess he gave up, too. Oh, well - next time!!!

72/73

Jim Bennett / W6JHB (jbennett@ebmud.com)
Supervising Systems Programmer
East Bay Municipal Utility District
Oakland, CA 94607
voice: 510.287.0224 / fax: 510.287.0373

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Scott Bauer <ke3nv@erols.com>
Subject: [6791] TiCK, need email
Message-ID: <199612200548.AAA12290@smtp1.erols.com>

Does anyone have the email address for Embedded Research, I would like to order the TiCK for my 38 special.
Sorry for the bandwidth. I will not have access to the web for a few days, so I had to rely on you guys again for info :-)

72/ 73, Scott

Fists 1502, ARCI 8804, G-QRP 8773, Nor-Cal 1094, NE 348, AR-QRP 27

Scott Bauer W3CV (formerly KE3NV, N3RQU) QRP nut, SWL
CW Operators QRP Club # 484 (Australia) Grid FM-19, Odenton, MD

ARRL, ARRL, ARRL, ARRL, scQRPions 38, CQC 352, ARRL, ARRL, ARRL, ARRL

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: "John A. Evans - N3Q00" <jaevans@cos.cst.titan.com>
Subject: [6811] Tin box source
Message-ID: <199612201534.KAA229457@nss2.CC.Lehigh.EDU>

Update - I located a variety of commemorative tin boxes at a local
Hobby Lobby store. They have medium size tins commemorating Cca-Cola,=20
Ivory Soap, Oreo cookies, Fig Newtons, etc. Some have removable lids
and some are hinged. They seem to be of good quality, with a =
pseudo-wrinkled
finish art job. Sizes seem to vary from say, 2" x 4" x 6" to larger - =
just
right for us folks who can't cram a two tansistor project into a =
Celestial
Seasonings tin - &^). The manufacturer of these boxes is:

The Tin Box Company of America, Inc.
Farmingdale, NY 11735

I will try a web search today to see if there is any Internet presence.

72, n3qoo
john

John A. Evans Chief System Administrator
Office: (719) 528-1800 Titan Client/Server Technologies
Fax: (719) 528-1888 1115 Elkton Dr, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>

Subject: [6831] Tnx to The Keeper of the List
Message-ID: <1996Dec20.164908-0500@[130.113.234.7]>

There's lotsa folks whose work in the background make it possible to carry on this fine QRP-L emporium. One is Jim Eshleman, whose well-oiled machine we tend to take for granted. Thanks, Jim for keeping all in order and running smoothly.

ObQRP:

Twinlead feedline has separated from the double-Zepp antennawire for the FOURTH TIME. Its going to be down for about four months, till weather warms up enough to solder outdoors. Think I'd get it right by now, its not brain surgery. But the wind just twists and sways that feedline till its #18 wire fatigues near the solder joint. How-do-ya keep them durn things connected?
Glen VE3DNL

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Dan Hogan <dhhogan@lightside.com>
Subject: [6816] TS-140S Mod's
Message-ID: <3.0.16.19961220082717.0a9fe3bc@mail.lightside.com>

All:

I just aquired an Kenwood TS-140S. I spent time on the...WEB looking for a site with mods to QRP this rig. So far no luck. Anyone have any mods or sites for this? Couldn't find anything via Kenwood.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806, ARRL
dhhogan@lightside.com Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: OM84wc

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: FACMSA@facilities.buffalo.edu (Adams, Mark S.)
Subject: [6800] Tuner Efficiency via FS
Message-ID: <1996Dec20.093400.1483.37050@facilities.buffalo.edu>

Hi Gang,

Reading Kurt N. Sterba's two great books gave me an idea. Since he says that the field strength meter does not lie here is what I am going to do while off during the holidays. I am going to compare my three tuners' abilities to match my 250' loop fed with 450 ohm ladder line on 40 meters. Here are the steps. (Suggestion welcome.)

1. Set up my FS meter out in the neighbors yard.
2. Measure the resistance and reactance of the loop with the Palomar bridge.
3. Hook up each tuner in turn and set for best match.
4. Observe the FS meter deflection. I will get someone to stand outside :-)
5. The highest efficiency tuner will be the one that yields the highest FS.
6. If all goes well, repeat for the other bands when my TT Cubbie comes back from repair.

Tuners to be tested: St. Louis, Heath HF9TB (?), Super Simple Kanga, HB L tuner.

I will report results in a week or so.

72 from cold Clarence, NY
Mark N2VPK

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [6822] Tuner settings
Message-ID: <M1205636.004.q7ee4.1.961220185902Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Jeff AC6KW

Somewhere I remember reading that a T tuner should be set up with the output capacitor at maximum C and do the preliminary tuning with the L and the input C. Only then vary the output C for the final match.

It seems to work for me, using the small MFJ 900 series tuners I have. Intuitively it would seem you would want as large a C in line as possible to reduce insertion loss, consistent with resonance.

Anyway, like I say, it seems to work for me.

I would be interested in a method to compare this approach against others, if

anyone has any ideas out there. Just because a method works doesn't mean it is optimum.

72, Bob N6WG

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [6789] Two Questions - Thanks
Message-ID: <19961219.224742.2487.1.kb0rol@juno.com>

Boy is this a GREAT group. I asked some simple questions and got great answers.

1- Recording from my rig - most agree I can connect directly between the Phones jack and the input on the recorder - be careful about volume level but it should work. There were some suggestions to adjust the impedance if direct doesn't work.

2 - SiliconE rubber - there is silicone rubber that wont damage your equipment - I got two examples of the wrong stuff destroying equipment - so be careful. If your silicone smells like acetic acid (or just has a strong odor) don't use it. Read the label and it may say for electrical use on it - this should be OK. I was also recommended to use Permatex Blue from the auto parts store.

Better than silicone is to use a hot glue gun. Everyone recommended it.

Brad Mugleston - KB0ROL
Colorado QRP Club # 170, QRP-L #316, ARRL
QTH - Aurora, CO - DM79oq
KB0ROL@JUNO.COM
BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: kd1jv@juno.com (Steven Weber)
Subject: [6814] WM-20 A Review
Message-ID: <19961220.112045.4863.0.KD1JV@juno.com>

I just finished putting together the NN1G White Mountain 20. (Small Wonders Lab) As many of you know, this is a 20 meter SSB QRP rig.

I'm impressed.

I built this rig for a number of reasons. One, I liked the name. Since I live in the White Mountains, seemed fitting I should own a rig named after my back yard. Two, I liked the design, It is a real radio, with a Jfet pre amp and double balanced diode mixer for a front end. Finally, although I like to "roll my own" designs, it was unlikely I'd take on a sideband rig any time soon. Plus its nice to build something that doesn't have to be debugged and rebuilt a dozen times before it works right for a change.

The instruction manual is first rate. As much time and effort was put in the manual as the design of the radio and it shows. I envy Dave's DTP abilities and software.

Construction went well. Since I'm a seasoned professional, I skipped the detailed step by step instructions and was able to stuff 90% of the board just by using the large layout pictorial. I like to stuff parts into a board by the order of their physical height, so I started with the xtals and sockets, moved onto the ceramic caps, then the resistors, most of which stand up. Finally the transistors and odds and ends. I put the transformers and coils on last, which is a little harder than the recommenced procedure, but was not all that difficult.

Amazingly, the rig worked first time I put power to it. Alignment went quick. Within a few minutes I had better than 0.1 uv sensitivity and full power out. The VCO trimmed right on freq with no fuss. The VCO seems very stable. 20 was dead last night when I got the rig done, but this morning I hear all kinds of signals, with a wire on the bench. The voices sound nice. There is almost no hiss in the receiver. Without an antenna, you would never know it was on.

All I got to do now is get my G5RV put up a little better. Now that we have a foot of snow on the ground and it's getting to feel like winter, it's the right time to do it :-)

All in all, I'd say if you still have some Christmas cash left, get this rig. It's a good one. The finished board looks neat, I wish someone would invent see-through metal, so we can look at our work when its all boxed up!

de KD1JV Steve in the White Mountains of NH.

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: ROYGREGSON@aol.com
Subject: [6778] ZM-1 correction !
Message-ID: <961219192008_1255342877@emout01.mail.aol.com>

Made a slight error. QST article is June 1995, not 1955 ! But you knew that !

Also, eyeball calibrations are way off, the perf board SWR indicator is 1" x 1" not 3/4" x 3/4".

72's/73's Roy

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Joe Gervais <vole@primenet.com>
Subject: [6819] Re: 80m or 40m for long winter evening in snow cave?
Message-ID: <199612201756.KAA22654@primenet.com>

Steve (N0TU) wrote:

>

> I'm spending a week winter backpacking snowshoes/XC skiing and thought
> it would be fun to launch a signal from the snowcave.

Now THAT's what I call a hardcore dry-run for FYBO. :-)

> So....back to the question which is it 40m or 80m or
> neither...

I lean toward 40m when I'm monoband in the field - usually seems to have more activity throughout the day/night on average. Plus it's a lot less wire to have getting tangled up on your ice axe. :-)

I'm extremely jealous Steve! With Kidlet #3 due soon, I'm grounded. Please give us a full report when you get back!

> Anyone interested in Snowcave Sked?

Name the times and your 49-ers favorite spot, I'll RIT 'til I find your offset. :-) My boys will think it's really cool if we can talk to a guy who's in a snow cave. One more step in getting them hooked.... hee hee.

Don't forget to bring a thermometer!

Good luck and safe travelling,

-Joe, KC7NEV, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: "Bob Follett" <bfollett@ditell.com>
Subject: [6836] RE: Alzheimers
Message-ID: <199612202333.QAA26508@orion.ditell.com>

Gang:

A new study by the University of So. Cal reported in "Neurology" reports that incidence of Alzheimers is sharply higher among those people occupationally exposed to electrical fields, popularly called EMF.

The results were, were....

Now what was the subject?

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [6796] Re: Antenna Tidbits
Message-ID: <Pine.SOL.3.94.961220072940.29956C-1000000@utkux4.utcc.utk.edu>

Even though I am reading Cecil's description of the principles of his G5RV matching system the next morning, I hope no one has erased it, perhaps thinking they do not have space for doing something like this. It is too important for that. Save it, read it, and understand every move he has made. If you do not fully understand a move, ask him about it. It is a first class example of applying basic principles to achieve an efficient multiband system--even to knowing where he had to accept a little loss (series inductors) in meeting certain other needs. Note the achievement of a purely resistive 200 ohms before placing a balun in the line, giving the balun what it has to have to be efficient. Notice the room he gave himself to work with variables, like the position of the capacitor across the line to cancel/compensate for the reactance at that point. Notice the room he gave himself to alter settings as conditions change. Notice that there is not a single "black box" element in his system, but a fully controllable set of conditions. It will not fit in a TenTec box, and certainly not an MFJ box, but it is sound work backed up by good diagnostic

tools. I'd like to see this system in one of the QRP journals, along with some sketches of the layout, not so much because I want to replicate it exactly, but because it makes a good item to use for breaking out of the "black-box ATU" syndrome.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [6813] Re: Antenna Tidbits
Message-ID: <Pine.SOL.3.94.961220110155.28906C-100000@utkux4.utcc.utk.edu>

Tony,

Your proposal to try out older techniques of inductive coupling is right on target for the G5RV.

The old-style inductively coupled tuner with variable coupling (swinging link) and coils for each band with LOTS of taps and provision for series or parallel tuning would be ideal, since it is a balanced output system without need for balun, etc.

As you say, this system requires that one not mind plug in coils. Once you have got things set-up for each band, returning to and tweaking the settings is no big deal.

Grab an old handbook and go to work--and report to us all on your results.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: wk9t@juno.com (Rod Logsdon)
Subject: [6784] Re: Chicago electronic places to visit
Message-ID: <19961219.205642.6382.2.wk9t@juno.com>

Dean, you must have been one of their last customers.

73/72 de Rod ... WK9T Carol Stream(Chicago), IL
Grid: EN-51ww QRP-L # 616 ARS # 153
E-mail: wk9t@juno.com

On Thu, 19 Dec 1996 14:52:19 -0600 "Dean T. Miller" <dtmiller@dsimnet.com>
writes:

>Hi Rod,

>

>On Wed, 18 Dec 1996 14:29:22 PST you wrote:

>

>>Unfortunately the only two ham radio stores we had in the Chicago
>area

>>(Ericksons & Ham Radio Toy Store) both closed their doors in the last
>6

>>months. Imagine, a metropolitan area with over 8 million people and
>no

>>ham radio stores!

>

>I don't know about Ericksons, but the Ham Radio Toy Store in Wheaton
>is

>definitely still in business (well, was open when I bought some stuff
>about

>3 weeks ago).

>

>Dean -- from Des Moines (KB0ZDF)

>

>

>

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [6835] Re: Contests
Message-ID: <Pine.SUN.3.90.961220150819.9073C-100000@vortex.sage.dri.edu>

Good news for all TR Log users, or potential users:

The next release will have the ARCI contest format
available!

I will let you know when it's ready.

73, Ron,

I have no interest in TR Log. Just a satisfied user!

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

----- Forwarded message -----

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Larry Tyree <tree@lady.axian.com>
Subject: Re: Contests

Ron -

ARCI will be in the next release.

Tree

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: George Dobbs <G3RJV@gqrp.demon.co.uk>
Subject: [6779] Re: G QRP Club
Message-ID: <4pnn7KAvl duyEw0c@gqrp.demon.co.uk>

In message <199612191904.TAA23299@mail.enterprise.net>, Frank G3YCC
<g3ycc@enterprise.net> writes
>Anyone know if Mike, KG5F is still handling the G QRP Club membership info
>for USA?
>I seem to think he may have moved. Had a query from KH6 wishing to rejoin.
>Thanks.

Yes - Mike is still taking G QRP Club payments.

He has moved address to :
Mr. Mike Kilgore KG5F
10000 Walnut Street #2062
DALLAS
TX 75243
U.S.A.

Full details in next SPRAT to be posted tomorrow

72/3

Hi Dean and All,

My kit choice from the list is the NW8020. It may use a bit more power from the battery but I'd like it when you need it. The 5 watts+ and the room filling audio is a big plus.

I'm saying this having not completed my NW80 yet but just the kit quality would make it a great difference. The board is first class with silk screened, solder masked, plated thru holes. The manual is set up to do it in sections and then test that section before going on. The parts are packaged for the sections so it's easy to see what part is for what. A great plus for trying to read cap values. I did the audio section today and surprised the audio power. I tested it with audio from the main rig (TS-850) with the audio ccw. I will definately give you more than any other lil rigs I used.

Go for the EMTECH 8020, Dean and by the way, he has a XMAS Special going on.

72/73 de

Ken Newman, N2CQ

103464.1355@compuserve.com

n2cq@juno.com

Admiral of the Nebraska Navy

Dean sent:-----

Gang,

If you had a choice to build the following kits, which would you start with first??

NorCal 40A with KC-1 keyer

EMTECH 8020

OHR100 with keyer and DD-1 display

72/73, Dean, NJ, N2TNN, QRP-L # 560

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996

From: Dan Keen <70731.722@CompuServe.COM>

Subject: [6792] Re: Message from QRP Bob at Wilderness

Message-ID: <961220065846_70731.722_EHM43-1@CompuServe.COM>

Wildnerness Bob,

Keep those fine kits coming, they're great but...

Is there anyway to post the current products and prices here on the list, since information on all yer products is not buzzing around yer internet WWW page?

Specifically the kit price plus post and packing for the BuzzNot noise blanker for the Sierra.

TNX,

Dan

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Hank Kohl <k8dd@tir.com>
Subject: [6833] Re: Michigan QRP Club Contest **Correction**
Message-ID: <2.2.32.19960120222016.006f47c0@tir.com>

Geez, I hate it when I do that!

Subject: Michigan QRP Club Contest

The rules for the January MI QRP Club Contest are on the MI QRP Club page:

<http://www.geocities.com/capecanaveral/2844/miqrp.htm>
htm
htm
NOT html

If anyone has any compliments for The 5 Watter magazine, post them here!

If anyone has any complaints for the MI QRP Club, send them to me!

Lost issues of T5W - send them to n8cqa@tir.com

"All you wanted to know about MI QRP Club but were afraid to ask?" - see the web page listed above.

Have a burning desire to join the MI QRP Club? - see the web page listed above.

Have any suggestions for the MI QRP Club web page? Send them to k8dd@juno.com

73 Hank K8DD
vice president
MI QRP Club

*/ Hank Kohl K8DD k8dd@contesting.com <---- new
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [6827] Re: N100Q RX #3: images and spurs for all bands
Message-ID: <961220151859.202121dc@cayman.vf.mmc.com>

Tom,

You wrote, in part:

> These N100Q RX postings are intended to be a learning exercise for the
> QRP-L folks, so if you have questions or comments, post them! How's the
> level of detail? Too much or too little?

Keep up the good work. I'm prejudiced because I'm (blush) an EE, but I think that the level of detail is about right for a tutorial.

Love it!

72/73,

Joe E., N2CX

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: DYARNES@aol.com
Subject: [6802] Re: New RS Wireless FM Xmitter
Message-ID: <961220094500_1425654305@emout08.mail.aol.com>

In a message dated 96-12-17 12:26:22 EST, bfollett@ditell.com (Bob Follett) writes:

<< Radio shack put on sale a "CD wireless FM Transmitter", 12-2051A, for around \$29, regularly \$39. >>

I have also been using something like this for some time, but I have found the "cheaper" units to which Bob refers to be quite satisfactory. Target and Wal-Mart have some units for \$20 and less. These are small, battery operated units that allow you to set the frequency to whatever you want. I haven't had any serious problem as to stability, just that they are a little tricky sometimes to initially set up. I usually pick a clear frequency on my receiver, then adjust the transmitter to that spot.

If you have one of those FM radio headsets, you are in "tall cotton"! This works perfectly in connection with one of these transmitters. You can then roam the hamshack in complete freedom. Of course, if you prefer, you can use a small pocket radio and "earbuds".

Anyway, every hamshack ought to have one of these gizmos!

72 de David W7AQQ

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Allen Jones <ajones@adsnet.com>
Subject: [6804] Re: QRL response
Message-ID: <1.5.4.32.19961220145518.006cbe3c@adsnet.com>

>> >>*****
>>
>> How about this . . . SKED HR NW TU
>
>I'd probably say:
>
> QRL QRL
>
>Afterall, QRL is supposed to mean the frequency is in use, right? ;-)
>
>Dana K6JQ
>Dana@Source.Net

Hi Dana . . . Don't know if you saw the post that preceeded this but the gist of it was that after replying 'QRL' to the person checking the freq that station came back and sent 'QS0?'. The foxhunter did not want to tie up the freq with an additional exchange and didn't know how to reply as he

had already 'QRled' in reply once. I thought that letting him/her know that you were expecting activity on the freq momentarily was the easy way out.

73, Allen - W9DZ

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: "David P. Drake" <dpd@dtpx2.ncifcrf.gov>
Subject: [6812] Re: QRL response
Message-ID: <19961220114635dpd@dtpsys.ncifcrf.gov>

Why not send UP 10 and then tell em what's going on. Might be a potential convert.

73 de n3lsb Dave. QRP-1 # 317 dpd@dtpx2.ncifcrf.gov	And in the end, It's not the years in your life that count. It's the life in your years. - Abraham Lincoln
---	---

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: NJBIRDMAN <jsielke@pobox.com>
Subject: [6786] Re: QRP ARCI
Message-ID: <v03007804aedfbb5f3118@[206.106.174.44]>

Thanks Ed! (The first answer to both the questions!). Got the attachment OK!

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  _ _ _ _ _  
 | \ | | | | _ | / _ |  
 | . ' | | _ _ | | | \ _ _ \  
 | _ | \ | | _ | \ _ / | _ _ /
```

John L. Sielke n4js@amsat.org
n4js@n4js.ampr.org QRP-L #884 NJ Grid:FM29
<http://www.pobox.com/~jsielke>

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [6830] Re: RF Parts phone #
Message-ID: <Pine.A41.3.95b.961220131416.18968A-100000@homer22.u.washington.edu>

(800) RF-PARTS or....(619) 744-0700

Enjoy! Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

On Fri, 20 Dec 1996, Allen Jones wrote:

> Anyone have the phone # for RF Parts handy. Didn't bring my QST to work
> with me. :-)
>
> Thanks,
> Allen - W9DZ
>
>
>

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From:rohrwerk@pconline.com (John Seboldt)
Subject: [6823] Re: Rick Campbell Info
Message-ID: <v01530500aee047a15cca@[206.145.48.169]>

>>> I am searching for info, articles, etc... regarding the
following:
The R1, R2, T2, and Mini R2. I believe these are connected to Rick
Campbell.

Chris Pasbrig KB9LBN
North Prairie, WI 53153 influtec@execpc.com <<<

Well Chris, here's my periodic plug for my web page -- one way to kludge
together an HF station (two, actually, a modular setup and a 40/20 meter
portable CW box).

The modular setup includes an old T-368 exciter transistorized as a
wide-range VFO... the R2 with CW and SSB filters, switchable sidebands, RF
preamp, and ability to bypass audio filters at will... tunable bandpass
filter/phasing boxes for 1.5-5 and ~5-18 MHz... ~10 watt linear amp strip
with solid state TR switch and keyed bias... lowpass filter box. The T2 is
yet to be put in... also in the wings is a 150 watt afterburner (Motorola
AN772 ? application note, kit from CCI).

The portable box is moderately compact in a die-cast box -- shielded
temperature-compensated VFO at 7 MHz, doubler to 14 MHz, miniR2 receiver,
RIT/offset. CW filter, with option to bypass for casual tuning, ~3 watt PA
strip.

With a new baby on the way (~3 days!), haven't been on the air much, but when I am I love it!

John Seboldt

<<http://www.pconline.com/~rohrwerk/k0jd/>>

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996

From: NASANews@hq.nasa.gov

Subject: Statement by NASA Administrator Dan Goldin on the Passing of Astronomer Carl Sagan

Brian Welch

December 20, 1996

Headquarters, Washington, DC

(Phone: 202/358-1600)

Sender: owner-press-release

Precedence: bulk

RELEASE: 96-266

STATEMENT BY NASA ADMINISTRATOR DAN GOLDIN
ON THE PASSING OF ASTRONOMER CARL SAGAN

"All of us at NASA are saddened by the passing of Carl Sagan. For more than three decades, Dr. Sagan was an eloquent, passionate voice for the sciences that he so ably advanced.

As much as any scientific figure of our time, Carl described for an entire generation -- the generation of the Space Age -- the true wonders of the Universe around us. His unbelievable ability to explain the complexities of space and space exploration inspired people to look up into the night sky in wonder. Through such efforts as the television series 'Cosmos' and his recent book, 'Pale Blue Dot,' Carl reached - and touched --millions around the world.

He was a pioneer of the idea that life could exist on Mars, years before NASA was able to uncover evidence of potential early life on the Red Planet, and he was an important voice in our Mars science programs for many years. He was an early champion of the idea that the two leading spacefaring powers, America and Russia, should work together

in the exploration of space.

He also was at the forefront of constructing humanity's first messages to the stars, which even now are hurtling out of our Solar System aboard the Pioneer and Voyager spacecraft. Carl himself likened the effort to the launching of a message in a bottle on the interstellar ocean. We will remember his vision, his eloquence, and his intellect, and we will miss him."

-end-

From owner-qrp-l@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utm.edu>
Subject: [6794] Re: Tuners
Message-ID: <Pine.SOL.3.94.961220062928.29956A-100000@utkux4.utcc.utm.edu>

On Thu, 19 Dec 1996, Niel Skousen wrote:

> >in the 1930s) as you select values--lowest is best--and that is always the
> >lowest L commensurate with C falling within it range of values. In many
> >
> >-73-
> >
> >LB, W4RNL
>
> Would it be reasonable to make the generalization that the settings with
> the lowest L are best ? Seems to conflict w/ other posts on this thread,
> but I have not been reading closely....
> Niel

Niel:

These remarks apply to the PI network when used as an ATU. Other networks have their own "rules of thumb" for best efficiency. For a C-L-C tuner (probably the most common commercially), the rule of thumb is to use maximum capacitance, especially on the output side. This also applies to the McCoy ultimate transmatch design. See QRP Quarterly for January, 1996, for a survey of networks and ATU efficiency.

Well made capacitors have very high Qs at HF, while the Q of coils is relatively low by comparison. Hence, classic analyses of networks have attributed most network losses to the inductors. It is possible to partially defeat this presumption by using a badly made or badly maintained variable capacitor with higher resistive losses and hence lower

component Q. But badly made or maintained coils will also worsen the losses also.

Although the component quality note applies also to inductively coupled networks, the rules of thumb do not necessarily apply in the forms given, since degree or tightness of coupling also plays a role in power transfer efficiency.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [6818] Re: Tuners: PIs

>From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
>For 80-20, a 20 micro-H inductor is probably good for a PI.
>The TX side should probably have a 350-500 pf receiving variable, and
>the antenna side can have the same for a QRP PI for the lower HF bands.

Hi LB, Fair Radio Sales, (419)223-2196, has components suitable for tuners. They have tons of stuff and an available catalog.

For QRP, they have a 3-gang 20-540pf (500v max) variable capacitor for \$10 each. That's 60-1620pf or 20-1620pf if one adds switches. They have a 22uH roller inductor kit for \$16. It's classified as a kit because the pickup arm comes separate from the roller and takes a little mechanical cleverness for mounting. But with a few hours work, three of these items yield an unbalanced QRP tuner for \$36.

I built a balanced double-PI (double-L?) tuner from the above components using two caps and two inductors. I used two of the three capacitor gangs and grounded the frame.

For higher power, they have a 31-178pf variable cap with 0.09inch spacing for \$9. Works for me at 600 watts. They also have a high-power 50uH roller inductor for \$65.

The antenna tuner function is one of the few things that we can do 100% for ourselves. Constructing something that works with one's own two hands is a very rewarding experience. Using only one capacitor for the entire tuner function is even more

rewarding, especially on the air.

I will be away from my computer here at Intel until Jan 2.
Everyone have a bunch of Happy Holidays.

73, Cecil, W6RCA

From owner-qrp-1@Lehigh.EDU Fri Dec 20 18:00:52 1996
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: Two Questions - Thanks

Boy is this a GREAT group. I asked some simple questions and got great answers.

>>1- Recording from my rig - most agree I can connect directly between the Phones jack and the input on the recorder - be careful about volume level but it should work. There were some suggestions to adjust the impedance if direct doesn't work.<<

I have recorded directly from the rig to my hard disk through the MIC port of my sound blaster. I have recorded to the sound blaster from a tape recorder as well. Then I can e-mail the sounds to other ham friends.

Brian L. Lewis

Shreveport, La.
K5RV (ex- N50CD)
bl@key.com or 76500.1621@compuserve.com
20-Dec-1996 06:25:57 CST